AUTHOR INDEX OF VOLUME 37

Abate, T. Seed dressing insecticides for bean fly [*Ophiomyia phaseoli* (Tryon) (Diptera: Agromyzidae)] control in Ethiopia, 334

Abd-Allah, F. F., *see* Kinawy, M. M.

Adejonwo, K. O., Ahmed, M. K., Lagoke, S. T. O. and Karikari, S. K. Chemical weed control in irrigated okra in the Nigerian Sudan savanna zone, 91

Adigun, J. A., Lagoke, S. T. O. and Karikari, S. K. Chemical weed control in irrigated sweet pepper (*Capsicum annuum* L.), 155

Adu-Tutu, K. O. and Drennan, D. S. H. Studies on the effects of Metsulfuron methyl on the parasitism of sorghum by *Striga hermonthica* (Del.) Benth, 252

Agounke, D. *see* Vogele, J. M.

Ahmad, M. *see* Khan, A. A., 96

Ahmed, M. K. *see* Adejonwo, K. O., 91

Ahmed, S. and Beniwal, S. P. S. Ascochyta blight of lentil and its control in Ethiopia, 368

Akpa, A. D. *see* Poswal, M. A. T.

Alghali, A. M. Integrated pest management strategy for cowpea production under residual soil moisture in the Bida area of northern Nigeria, 224

Alghali, A. M.: Studies on cowpea farming practices in Nigeria, with emphasis on insect pest control, 71

Ali, M. Weed management in pigeonpea under rainfed conditions in India, 345

Anitha, N. and Rajamony, L. Occurrence of *Prodromus clypeatus* Distant (Heteroptera: miridae) on Banana (*Musa* sp) in India: a new record, 440

Argaman, Q. and Mendel, Z. Damage by webspinners (Insecta: Embioptera) in Israel, 100

Argaman, Q. and Wysoki, M. The flower-eating Gymnoscelis (Lep.Geometridae) in Israel, 185

Awoderu, V. A. Rice yellow mottle virus in West Africa, 356

Awoderv, V. A., Bangura N. and John, V. T. Incidence, distribution and severity of bacterial diseases on rice in West Africa, 114

Bal, A. B. Action threshold for flower thrips on cowpeas (*Vigna unguiculata* L. Walp.) in Senegal, 363

Bangura, N. *see* Awoderv, V. A., 114

Beniwal, S. P. S. *see* Ahmed, S.

Bhardwaj, S. P. Indian housecrow damage to almond in Himachal Pradesh, India, 100

Bhumannavar, B. S. *see* Jacob, T. K., 80

Bleih, S., de Sagun, S. B. and Ramachandran, R. Comparative observations on the pest and disease incidence and yield losses of Japonica, Indica and Japonica × Indica rices, 290

Bosc, J. P. *see* Subrahmanyam, P.

Brun, L. O., Marcillaud, C., Gaudichon, V. and Suckling, D. M. Evaluation of a rapid bioassay for diagnosing endosulfan resistance in coffee berry borer, *Hypothenemus hampei* (Ferrari) (Coleoptera: Scolytidae, 221

Campion, D. G. *see* Moawad, G., 10

Chiang, H.-S. and Hwang, M.-T. The banana skipper, *Erionota torus* Evans (Hesperides: Lepidoptera): establishment, distribution and extent of damage in Taiwan, 207

Chin, K. M., Leohken, A., Sozzi, D. and Williams, R. J. A modified Zadoks decimal code for the growth stages of rice, 277

Critchley, B. R. *see* Moawad, G., 10

David, B. V. *see* Peter, C., 75

Davies, K. G., De Leij, F. A. A. M. and Kerry, B. R. Microbial agents for the biological control of plant-parasitic nematodes in tropical agriculture, 303

De Leij. F. A. A. M. *see* Davies, K. G.

de Sagun, S. B. *see* Bleih, S.

den Hollander, J. *see* Mesfin, T.

Dent, D. R. *see* Spencer, J.

Denton, G. R. W., Muniappan, R. and Marutani, M. Status and natural enemies of the weed, *Lantana camara*, in Micronesia, 338

Dhileepan, K. Insect pests of intercrops and their potential to infect oil palm in an oil-palm-based agroforestry system in India, 57

Dhillon, N. P. S. and Wehner, T. C. Host-plant resistance to insects in cucurbits-germplasm resources, genetics and breeding, 422

Dhindsa, M. J., Sandhu, P. S., Saini, H. K., and Toor, H. S. House crow damage to sprouting sunflower, 179

Drennan, D. S. H. *see* Adu-Tutu, K. O.

Easwaramoorthy, S. and Jayaraj, S. Influence of spray fluid volume and purity on the effectiveness of a granulosis virus infecting sugarcane shoot borer, *Chilo infuscatellus* Snellen, 134

Ekwamu, A. Influence of head blast infection on seed germination and yield components of finger millet. (*Eleusine coracana* L. Gaertn), 122

Evans, D. C. and Zambrano, E. Insect damage in maize of highland Ecuador and its significance in small farm pest management, 410

Fomba, S. N. and Singh, N. Observations on the incidence of rice brown spot, leaf scald and leaf smut diseases in a tidal mangrove swamp at Rokupr, Northwestern Sierra Leone, 349

Gahukar, R. T. Pest status and control of blister beatles in West Africa, 416

Gethi, M. and Khaemba, B. M. Damage by pod-sucking bugs on cowpea intercropped with maize, 236

Gonzaga, J.V. *see* Ramalho, F. S.

Greenberg, D. C. *see* Subrahmanyam, P.

Hagstrum, D. W. *see* Subrahmanyam, P.

Hammouda, A. M. A new leaf spot of coconut, 185

Haq, Manzoor-ul, *see* Inayatullah, C.

Hasanuddin, A. *see* Rao, P. S.

Hillocks, R. J. Alternaria leaf spot of cotton with special reference to Zimbabwe, 124

Hosang, M. L. A. *see* Zelazny, B., 63

Hussain, I. *see* Khan, A. A., 96

Hwang, M.-T. *see* Chiang, H.-S.

Ibrahim Ali, M. and Karim, M. A. Rational insecticide use for the control of the cotton jassid, *Amrasca biguttula* (Shir) (Cicadelidae, Homoptera) and the spotted bollworm, *Earias vittella*(F.) (Noctuidae, Lepidoptera) on cotton in Bangladesh, 66

Inayatullah, C., Khan, L., Haq Manzoor-ul and Mogsin, Ata-ul. Weather-based models to predict the population densities of melon fruit fly, *Dacus cucurbitae* Coq, 211

Jacob, T. K. and Bhumannavar, B. S. The coconut rhinoceros beetle *Oryctes rhinoceros* L. - its incidence and extent of palm damage in the Andaman and Nicobar Islands (India), 80

Jago, N. D. and Shah, P. A. Description of a modified hand-held ultra-low-volume sprayer for millet crop protection by Sahelian farmers, 129

Jain, S. D. *see* Sheikher, C.

Jayaraj, S. *see* Easwaramoorthy, S., 134

John, V. T. *see* Awoderv, V. A., 114

Joshi, S. Biological control of *Parthenium hysterophorus* L. (Astereceae) by *Cassia uniflora* Mill (Leguminosae), in Bangalore, India, 182

Kaguruki, L. R., Tick (Acari: Ixodidae) resistance to organochlorine acaricides in Tanzania, 33

Kairu, G. M., Nyangena, C. M. S. and Muthamia, J. E. The performance of copper-based bactericides in the control of bacterial blight of coffee and coffee berry disease in Kenya, 1

Karikari, S. K. *see* Adejonwo, K. O., 66

Karikari, S. K. *see* Adigun, J. A., 155

Karim, M. A. *see* Ibrahim, M., 66

Kerry, B. R. *see* Davies, K. G.

Khaemba, B. M. *see* Gethi, M.

Khajuria, D. R. *see* Sharma, J. P., 185

Khan, A. A., Ahmad, M. and Hussain, I. Evaluation of four fumigants against the short-tailed mole rat, *Nesokia indica* Gray and Hardwicke, 1932, 96

Khan, L. *see* Inayatullah, C.

Khidr, A. A. *see* Moawad, G., 10

Kiara, H. K. *see* Njanja, J. C., 166

Kinawy, M. M. Biological control of the coconut scale insect (*Aspidiotus destructor*) Sign. (Homoptera: Diaspididae) in the southern region of Oman (Dhofar), 387

Kinawy, M. M., Abd–Allah, F. F. and Tadros, A. W. The seasonal fluctuation in the population of *Enneadesmus obtusedentatus* Lesne (Coleoptera: Bostrichidae) on fig trees in Egypt, 228

Kothari, S. K., Singh, D. V. , and Singh, K. Critical periods of weed interference in Japanese mint (*Mentha arvensis* L.), 85
Kowor, A. *see* Preston, S. R., 110
Krishna Moorthy, P. N., *see* Srinivasan, K., 26
Krishna Murthy, G. V. G. and Nagarajan, K. Post-emergence control of *Orobanche cernua* on tobacco with oils, 149
Krober, T. *see* Kupper, W.
Kupper, W., Spath, J. and Krober, T. Attractiveness of chemicals to *Glossina tachinoides* Westwood (Diptera: Glossinidae) in Cote d'Ivoire, 437

Lagoke, S. T. O. *see* Adejonwo, K. O., 91
Lagoke, S. T. O. *see* Adigun, J. A., 155
Lenner, J. M. Diseases of *Leucaena* species, 281
Leohken, A. *see* Chin, K. M.

Maganga, S. L. S. and Wright, R. G. Bark-stripping by blue monkeys in a Tanzanian forest plantation, 169
Magembe, H. M. A. and Teri, J. M. Bacterial blight of tannia in Tanzania, 120
Makundi, R. H. Effectiveness of cyfluthrin dust treatment for control and protection of shelled maize against infection by the larger grain borer, *Prostephanus truncatus* (Horn) (Coleoptera: Bostrichidae) in Tanzania, 218
Mallikarjunappa, S. and Rajagopal, D. Action thresholds for the management of pod borer, *Adisura atkinsoni* Moore (Lepidoptera: Noctuidae) on field bean (hyacinth bean), *Lablab purpureus* (L.) in India, 432
Marcillaud, C. *see* Brun, L. O.
Maredia, K. M. and Mihm, J. A. Response of resistant and susceptible maize to different infestation levels of southwestern corn-borer (*Diatraea grandiosella* Dyar) in Mexico, 21
Markham, P. G. *see* Mesfin, T.
Marutani, M. *see* Denton, G. R. W.
McVeigh, L. J. *see* Moawad, G., 10
Mendel, Z. *see* Argaman, Q., 100
Mesfin, T., den Hollander, J., Markham, P. G. *Cicadulina* species and maize streak virus in Ethiopia, 240
Mihm, J. A. *see* Maredia, K. M., 21
Moawad, G., Khidr, A. A., Zaki, M., Critchley, B. R., McVeigh, L. J. and Campion, D. G. Large-scale use of hollow fibre microencapsulated pink bollworm pheromone formulations integrated with conventional insecticides for the control of the cotton complex in Egypt, 10
Mohan, S. and Prasad, G. Development of a new fishmeal attractant and insecticide formulation for management of sorghum shoot fly, *Atherigona varia soccata* Rond, 397
Mohsin, Ata-ul. *see* Inayatullah, C.
Montemayor, M. B. *see* Sutherland, J. A., 132
Moore, D. *see* Vogele, J. M.
Mote, U. N. New insect pests in India, 100
Muniappan, R. *see* Denton, G. R. W.
Mustafee, T. P. Weed problems in wheat and their control in the Indian subcontinent, 245
Muthamia, J. E. *see* Kairu, G. M., 1

Nafus, D. M. and Schreiner, I. H. Review of the biology and control of the Asian corn borer *Ostrinia furnacalis* (Lep: Pyralidae), 41
Nagarajan, K. *see* Krishna Murthy, G. V. G., 149
Nderitu, J. H. Insects associated with the potato crop in Kenya, 6
Njanja, J. C., Rinkanya, F. G. R. and Kiara, H. K. Ticks of camels, sheep and goats in northwestern Kenya rangelands, 166
Nurdin, F. *see* Talekar, N. S.
Nyangena, C. M. S. *see* Kairu, G. M.

Odebiyi, J. A. *see* Olatunde, G. O.
Okafor, L. I. and Zitta, C. The influence of nitrogen on sorghum-weed competition in the tropics, 138
Olatunde, G. O. and Odebiyi, J. A. Some aspects of antibiosis in cowpea resistant to *Clavigralla tomentosicollis* Stal. (Hemiptera: Coreidae) in Nigeria, 273
Olatunde, G. O. and Odebiyi, J. A. The relationship between total sugar, crude protein and tannic acid contents of cowpea, *Vigna unguiculata* L. Walp and varietal resistance to *Clavigralla tomentosicollis* Stal. (Hemiptera: Coreidae, 393
Ong, C. K. *see* Ramakrishna, A., 159

Parker, C. *see* Polniaszek, T. I., 152
Peregrine, W. T. H. Anatto – a possible trap crop to assist control of the mosquito bug (*Helopeltis schoutedeni* Reut.) in tea and other crops, 430
Peter, C. and David, B. V. Population dynamics of the pumpkin caterpillar, *Diaphania indica* (Saunders) (Lepidoptera: Pyralidae), 75
Pollard, G. V. Constraints to IPM development and a strategy for management of tomato and cabbage pests in Trinidad, West Indies, 59
Polniaszek, T. I., Parker, C. and Riches, C. R. Variation in the virulence of *Alectra vogelii* populations on cowpea, 152
Poswal, M. A. T. and Akpa, A. D. Current trends in the use of traditional and organic methods for the control of crop pests and diseases in Nigeria, 329
Prasad, G. *see* Mohan, S.
Preston S. R. and Kowor, A. Early blight (*Alternaria solani*) of potato in the highlands of Papua New Guinea, 110
Raja Sekhar, P. and Shivarama Rai, P. Incidence of different caterpillars on safflower and assessment of grain loss due to *Prospalta conducta* Walker (Lepidoptera: Noctuidae) in Karnataka, India, 9
Rajagopal, D. *see* Mallikarjunappa, S.
Rajamony, L. *see* Anitha, N.
Ram, I. C. *see* Singh, G.
Ramachandran, R. *see* Bleih, S.
Ramakrishna, A., Ong, C. K. and Reddy, S. L. N. Studies in integrated weed management in sorghum, 159
Ramalho, F. S. and Gonzaga, J. V. Methodology of the application of pyrethroids agaist cotton boll weevil and pink bollworm, 324
Ranga Rao, D. V., *see* Ranga Rao, G. V., 37
Ranga Rao, G. V., Wightman, J. A. and Ranga Rao, D. V. The development of a standard pheromone trapping procedure for *Spodoptera litura* (F.) (Lepidoptera: Noctuidae) population in groundnut (*Arachis hyopogaea* L.) crops, 37
Rao, P. S. and Hasanuddin, A. Incidence of rice virus disease and its vector in South Sulawesi, Indonesia, 256
Reddy, S. L. N. *see* Ramakrishna, A., 159
Riches, C. R. *see* Polniaszek, T. I., 152
Rinkanya, F. G. R. *see* Njanja, J. C., 166
Rodrigues, B. F. and Torne, S. G. Fruit rot disease of *Canavalia ensiformis* (L.) DC. (Jackbean), 100
Runkulatile, H. H. E. *see* Teri, J. M.
Saini, H. K. *see* Dhindsa, M. J.
Salvioni, M. Evaluation of rat (*Rattus rattus*) damage in ricefields in Madagascar, 175
Sandhu, P. S. *see* Dhindsa, M. J., 179
Savary, S. *see* Subrahmanyam, P.
Schreiner, I. H. Damage threshold for *Diaphania indica* Saunders (Lepidoptera: Pyralidae) on cucumbers in Guam, 17
Schreiner, I. H. *see* Nafus, D. M.
Sekaran, R. R.. *see* Sekhar, M. J.
Sekhar, M. J. and Sekaran, R. R. Effect of fungicides on key diseases of groundnut in relation to crop stage, 270
Shah, P. A. *see* Jago, N. D., 129
Sharma, A. N. and Shukla, A. K. White grub: a new pest of soybean in Madhya Pradesh, India, 185
Sharma, J. P. and Khajuria, D. R. Occurrence of Apple Fruit Moth (*Argyresthia conjugella* Zeller) in Lahaul Valley of Himachal Pradesh, India, 185
Sheikher, C. and Jain, S. D. Damage and hoarding by rodents and their control in standing wheat in Himachal Pradesh, 289
Shivarama Rai, P. *see* Raja Sekhar, P., 9
Shukla, A. K. *see* Sharma, A. N., 185
Singh, A., Singh, K. and Singh, D. V. Suitability of organic mulch (distillation waste) and herbicides for weed management in perennial aromatic grasses, 162
Singh, D. Biocontrol of *Sclerotinia sclerotiorum* (Lib.) de Bary by *Trichoderma harzianum*, 374
Singh, D. V. *see* Kothari, S. K., 85
Singh D. V. *see* Singh, A., 162
Singh, D. *see* Singh, G., 144

Singh, G., Ram, I. C. and Singh, D. Crop-weed competition studies in green gram and blackgram, 144
Singh, K. J. *see* Singh, O. P.
Singh, K. *see* Kothari, S. K.
Singh, K. *see* Singh, A.
Singh, N. *see* Fomba, S. N.
Singh, O. P. and Singh, K. J. Economic threshold level for green semilooper, *Chrysodeixis acuta* (Walker) on soybean, 399
Sozzi, D.,*see* Chin, K. M.
Spath, J. *see* Kupper, W.
Spencer J. and Dent, D. R. Walking speed as a variable in knapsack sprayer operation: perception of speed and the effect of training, 321
Srinivasan, K. and Krishna Moorthy, P. N. Indian Mustard as a trap crop for management of major lepidopterous pests on cabbage, 26
Steiner, K. G. A survey of cassava pests in the Central African Republic, 203
Stewart, R. K. *see* Zongo, J. O.
Subrahmanyam, P. Control of seedling diseases of groundnut in Niger, 118
Subrahmanyam, P., Greenberg, D. C., Savary, S. and Bosc, J. P. Diseases of groundnut in West Africa and their management: research priorities and strategies, 259
Subrahmanyam, Bh. and Hagstrum, D. W. Quantitative analysis of temperature, relative humidity, and diet influencing development of the larger grain borer, *Prostephanus truncatus* (Horn) (Coleoptera: Bostrichidae), 195
Suckling, D. M. *see* Brun, L. O.
Sutherland J. A. and Montemayor, M. B. A note on the retention of water-soluble dyes by cotton foliage, 132

Tadros, A. W. *see* Kinawy, M. M.
Talekar, N. S. and Nurdin, F. Management of *Anomala cupripes* and *A. expansa* in soybean by using a trap cultivar in Taiwan, 390
Tanzubil, P. B. Control of some insect pests of cowpea (*Vigna unguiculata*) with neem (*Azadirachta indica* A Juss.) in Northern Ghana, 216
Teri, J. M. and Runkulatile, H. H. E. Root-knot nematodes associated with tannia (*Xanthosoma sagittifolium*) in Tanzania, 296
Terim J. M. *see* Magembe, H. M. A., 120
Timti, I. N. Control of *Coelaenomenodera minuta* Uhlmann with Crematogaster species, 403
Toor, H. S. *see* Dhindsa, M. J., 179
Torne, S. G. *see* Rodrigues, B. F., 100

Vincent, C. *see* Zongo, J. O.
Vogele, J. M., Agounke, D. and Moore, D. Biological control of the fruit tree mealybug *Rastrococcus invadens* Williams in Togo: A preliminary sociological and economic evaluation, 379

Wehner, T. C. *see* Dhillon, N. P. S.
Wightman, J. A. *see* Ranga Rao, G. V.
Williams, R. J. *see* Chin, K. M.
Wright, R. G. *see* Maganga, S. L. S.
Wysoki, M, *see* Argaman, Q.

Xiaoshui, W. *Gastrophysa atrocyanae* (Col:Chrysomelidae), an agent for biological control of the dock, *Rumex japonicus* (Polygonaceae) in China, 383

Zaki, M. *see* Moawad, G.
Zambrano, E. *see* Evans, D. C.
Zelazny, B. and Hosang, M. L. A. Estimating defoliation of coconut palms by insect pests, 63
Zitta, C. *see* Okafor, L. I.
Zongo, J. O., Vincent, C. and Stewart, R. K. Monitoring adult sorghum shoot fly, *Atherigona soccata* Rondani (Diptera: Muscidae), and related species in Burkina Faso, 231